

COMPUTER PROCESSOR AND PROCESSING DEVICE

Patent number: JP2002366534
Publication date: 2002-12-20
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Classification:
- International: G06F15/177; G06F9/54; G06F12/06; G06F15/16; G06F15/173
- european:
Application number: JP20020079360 20020320
Priority number(s): US20010816752 20010322

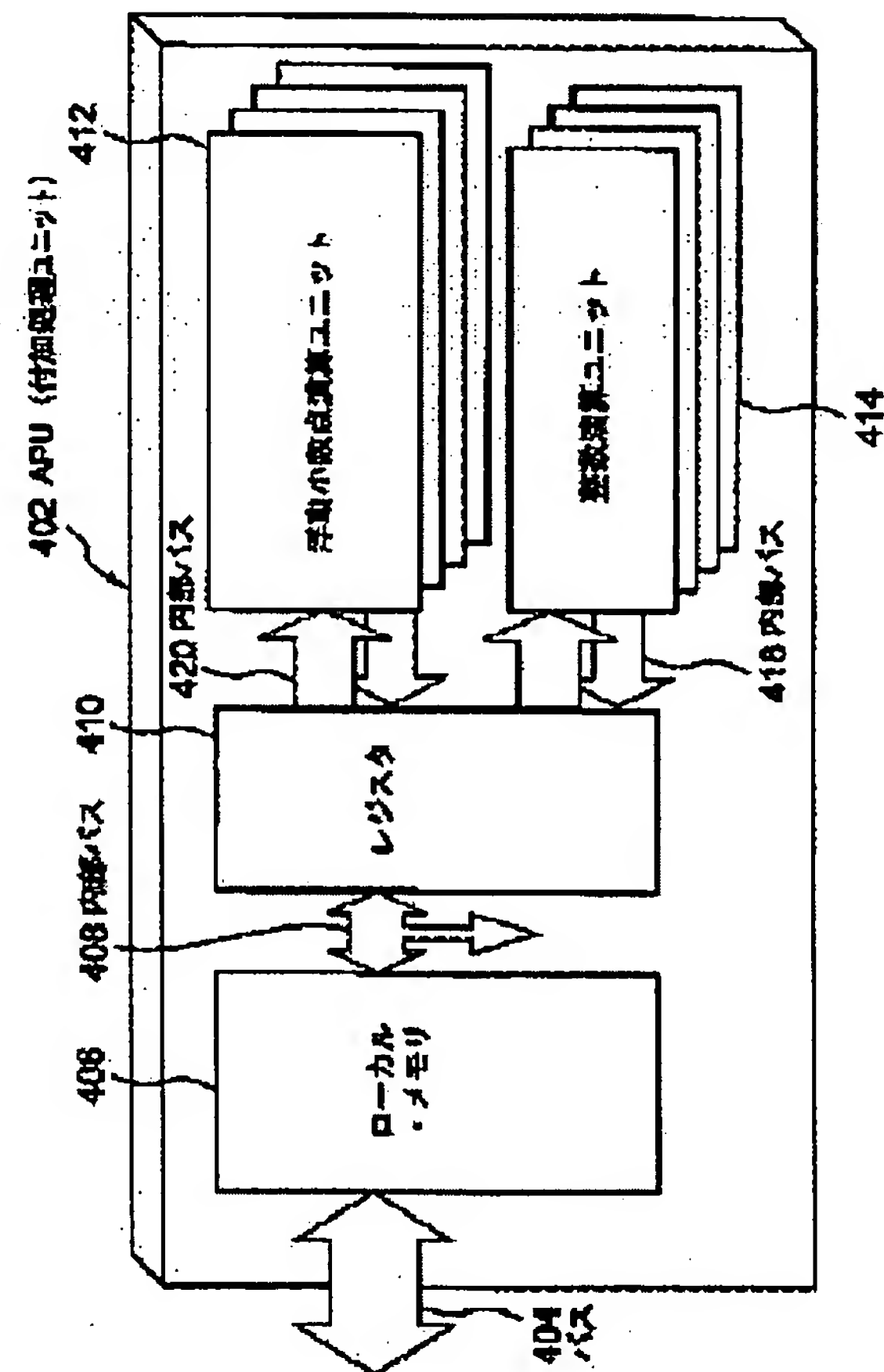
Also published as:

WO02077848 (A1)
 EP1370971 (A1)
 US2002156993 (A1)
 JP2004252990 (A)

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Abstract of JP2002366534

PROBLEM TO BE SOLVED: To provide a computer architecture and programming model for high speed processing through broadband networks. **SOLUTION:** The architecture employs a uniform modular structure, a common computing module and uniform software cells. The common computing module includes a controller, a plurality of processing units, a plurality of local memories from which the processing units process programs, a direct memory access controller and a shared main memory. A synchronized system and method for the coordinated reading and writing of data to and from the shared main memory by the processing units are provided.



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